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QUERY CONTROL FORM			RTIS USE ONLY	
Application No. CA/5HL0, 085	Prepared by	DUP	Tracking Number	06011912
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JACKET					
a. Serial No.	f. Foreign Priority	k. Print Claim(s)	p. PTO-1449		
b. Applicant(s)	g. Disclaimer	I. Print Fig.	q. PTOL-85b		
c. Continuing Data	h. Microfiche Appendix	m. Searched Column	r. Abstract		
d. PCT	i. Title	n. PTO-270/328	s. Sheets/Figs		
e. Domestic Priority	j. Claims Allowed	o. PTO-892	t. Other		

SPECIFICATION	MESSAGE Improper Dependency: in the claim set
a. Page Missing	dated 6 24 04, Claims 210, 27, 28, 29, 30 and 31
b. Text Continuity	(renumbered claim 19-24) are dependent upon largue
c. Holes through Data	Claims 84,85 or 86 Crepumbered Claims 42, 43 or 44).
d. Other Missing Text	
e. Illegible Text	
f. Duplicate Text	
g. Brief Description	
h. Sequence Listing	
i. Appendix	
j. Amendments	
k. Other	
CLAIMS	
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(previously added) The modified biological molecule of claim 17, wherein the biological molecule comprises a polypeptide or a peptide.

(previously added) The modified biological molecule of claim 17, wherein the biological molecule comprises a polysaccharide or a saccharide.

(previously added) The modified biological molecule of claim 17, wherein the biological molecule comprises a lipid.

(previously added) The modified biological molecule of claim 17, wherein the biological molecule comprises a small molecule.

(previously added) The modified biological molecule of claim 17, wherein the amino group is a primary amine.

(previously amended) The modified biological molecule of claim 12, wherein the alkoxysilane is selected from the group consisting of -Si(OCH<sub>3</sub>)<sub>3</sub>, -Si(OC<sub>2</sub>H<sub>5</sub>)<sub>3</sub> and

$$R_1$$
 $\mid$ 
 $- Si - R_2$ 
 $\mid$ 
 $R_3$ 

wherein  $R_1$ ,  $R_2$  and  $R_3$  are selected from the group consisting of -H,  $-CH_3$ ,  $-OCH_3$ , and  $-OC_2H_5$ , and at least one of  $R_1$ ,  $R_2$  or  $R_3$  is either  $-OCH_3$  or  $-OC_2H_{35}$ .

(previously added) The modified biological molecule of claim 17, wherein the compound is 3-aminopropyltriethoxysilane.

(previously amended) A microarray comprising:

an underivatized solid support, and

modified biological molecules covalently bound to a compound having the formula:  $R_1$ —X— $R_2$ , wherein  $R_1$  comprises an amino group,  $R_2$  comprises an alkoxysilane group; and X comprises a moiety liking the amino group and the alkoxysilane group, immobilized onto the underivatized solid support.

(previously amended) The microarray of claim 25, 84, 85 or 86, wherein the solid support comprises hydroxyl groups.

27. (previously amended) The microarray of claim 25, 84, 85 or 86, wherein the solid support comprises glass.

(previously amended) The microarray of claim 25, 84, 85 or 86, wherein the solid support comprises a surface selected from the group consisting of a quartz, a mica, an alumina, a titania, an SnO<sub>2</sub>, an RuO<sub>2</sub>, and a PtO<sub>2</sub>.

(previously amended) The microarray of claim 25, 84, 85 or 86, wherein the solid support comprises a metal oxide surface.

support comprises a metal oxide surface.

[18] 1/2 1/3 1/4

[26] (previously amended) The microarray of claim 25, 84, 85 or 86, wherein the solid support comprises a compound selected from the group consisting of a polystyrene, a polyester, a polycarbonate, a polyethylene, a polypropylene, and a nylon 1/2 1/3 1/4

(previously amended) The microarray of claim 25,84,85 or 86, wherein biological molecules are immobilized onto the solid support in orderly, discrete spots.

(previously amended) The microarray of claim 25, wherein the discrete spots are about 50 microns in diameter.

(previously amended) A modified biological molecule, wherein the biological molecule is prepared by a process comprising the steps of:

- (a) providing a biological molecule comprising a guanine base or a cytosine base;
- (b) reacting the guanine base or the cytosine base with N-bromosuccinimide at pH about 8.0 to form a brominated biological molecule; and
- reacting the brominated biological molecule with a silane having the formula HN— $(CH_2)_n$ — $Si(OR)_3$ , wherein n = 3, 4, 5, 6, 7, 8 or 9.

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-34. (previously added) The modified biological molecule of claim 33, wherein R is selected from the group consisting of -CH<sub>3</sub>, -C<sub>2</sub>H<sub>5</sub>, and -C<sub>3</sub>H<sub>7</sub>.

(previously added) A modified biological molecule, wherein the biological molecule is prepared by a process comprising the steps of:

- (a) providing a biological molecule;
- (b) providing a compound having a formula

$$\begin{array}{c|c}
R_1 \\
 & | \\
X - R - Si - O - R_2 \\
 & | \\
R3
\end{array}$$